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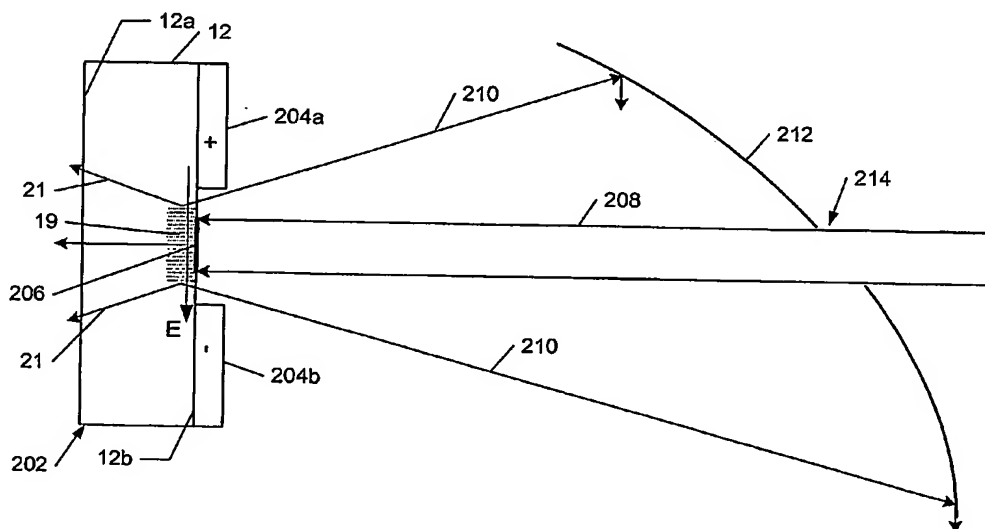
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(54) Title: TERAHERTZ RADIATION SOURCES AND METHODS



(57) Abstract: The invention relates to improved terahertz radiation sources and associated methods. A terahertz radiation source is described, comprising: an emitter (202) comprising a semiconductor material (12); a pair of electrodes (204a,b) adjacent a face of said semiconductor, said pair of electrodes defining a gap between said electrodes; a pulsed light source input for illuminating said semiconductor to excite photo-carriers in said semiconductor to generate terahertz radiation; and a radiation collector (212) to collect said terahertz radiation; and wherein said radiation collector is disposed on the same side of said semiconductor as said electrodes. A related method of providing terahertz radiation is also described.



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